### MCDONNELL DOUGLAS

**Douglas Aircraft Company** 

27 February 1996 C1-Q6C-SL-96-061

California Regional Water Quality Control Board Los Angeles Region 101 Centre Plaza Drive Monterey Park, CA. 91754

Attention:

Technical Support Unit

Subject:

SUBMITTAL OF ANNUAL REPORT FOR NPDES PERMIT NO. CA

0001414 - COMPLIANCE FILE NO. 5999 FOR 1995

Attachments:

1) Tabular and Graphical Summaries of the Monitoring Data Obtained During 1995 for Discharge Location 001

- 2) Annual Summary of the Quantities of Water Treatment Chemicals Discharged During 1995
- 3) Copies of Laboratory Analyses

#### Gentlemen:

Douglas Aircraft Company herewith submits the annual report in accordance with the General Monitoring and Reporting Provision number 5999. The report contains tabular and graphical summaries of the monitoring data obtained during 1995 and a summary of the quantities of water treatment chemicals discharged during 1995. Copies of laboratory analyses are also attached.

All analyses were conducted by Truesdail Laboratories of Tustin, California, in accordance with the current EPA guideline procedures or as specified in the Monitoring Program. Truesdail Laboratories has been instructed by Douglas Aircraft Company not to sample the location when no flow occurs.

"I declare under penalty of perjury that the foregoing is true and correct", executed on the 27th day of February, 1995.

Sincerely,

Scott Lattimore

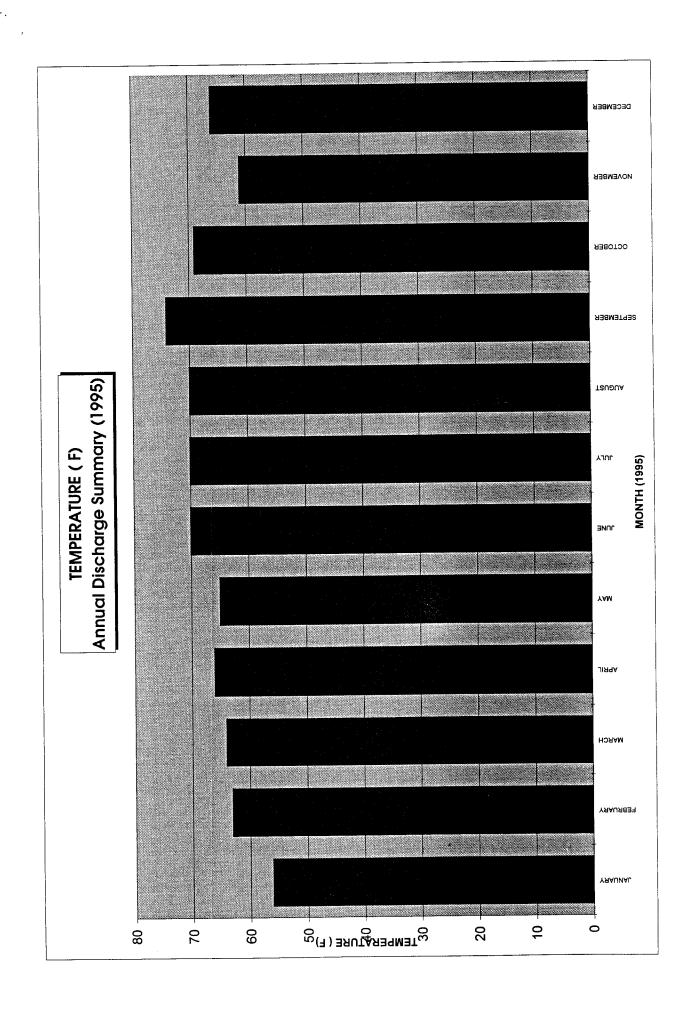
Environmental Engineer

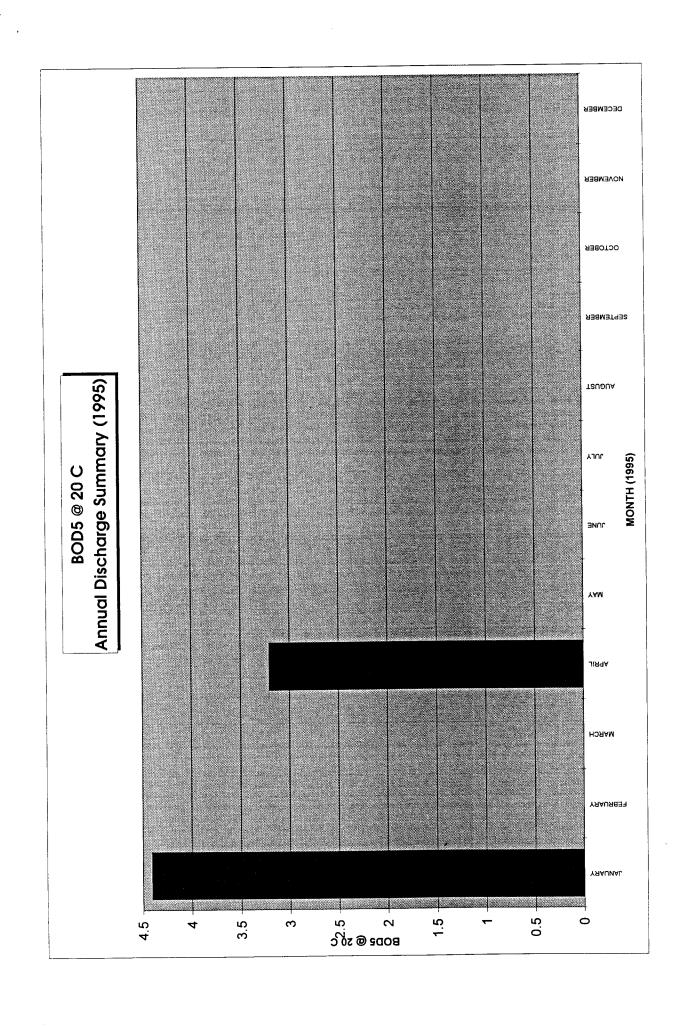
Safety, Health, and Environmental Affairs

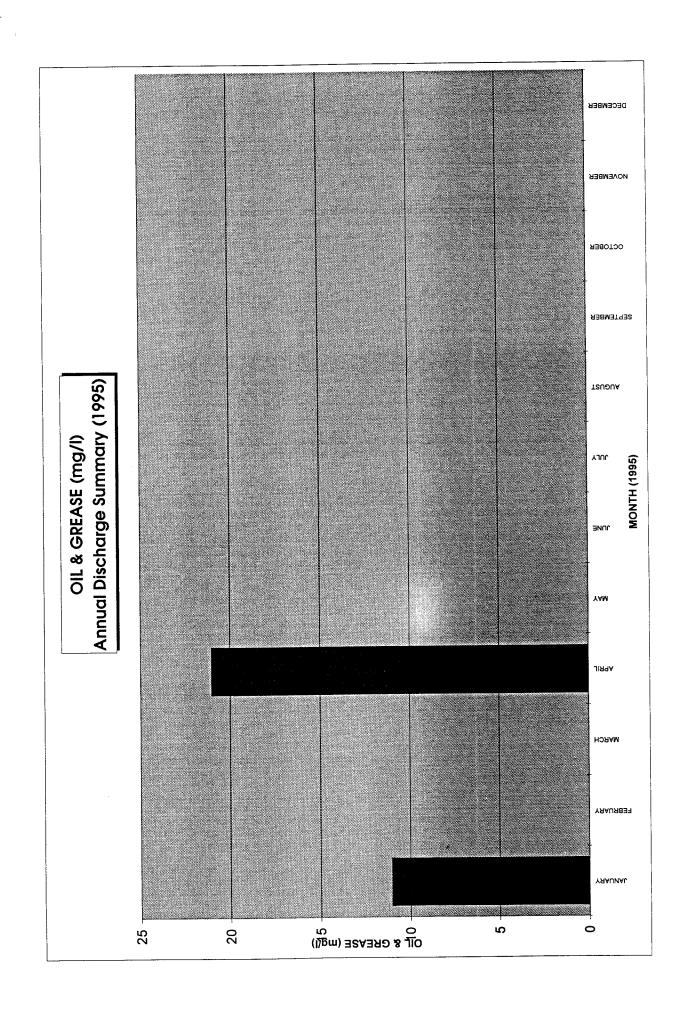
ANNUAL DISCHARGE SUMMARY NPDES CA001414 DOUGLAS AIRCRAFT COMPANY TORRANCE, CA. FACILITY

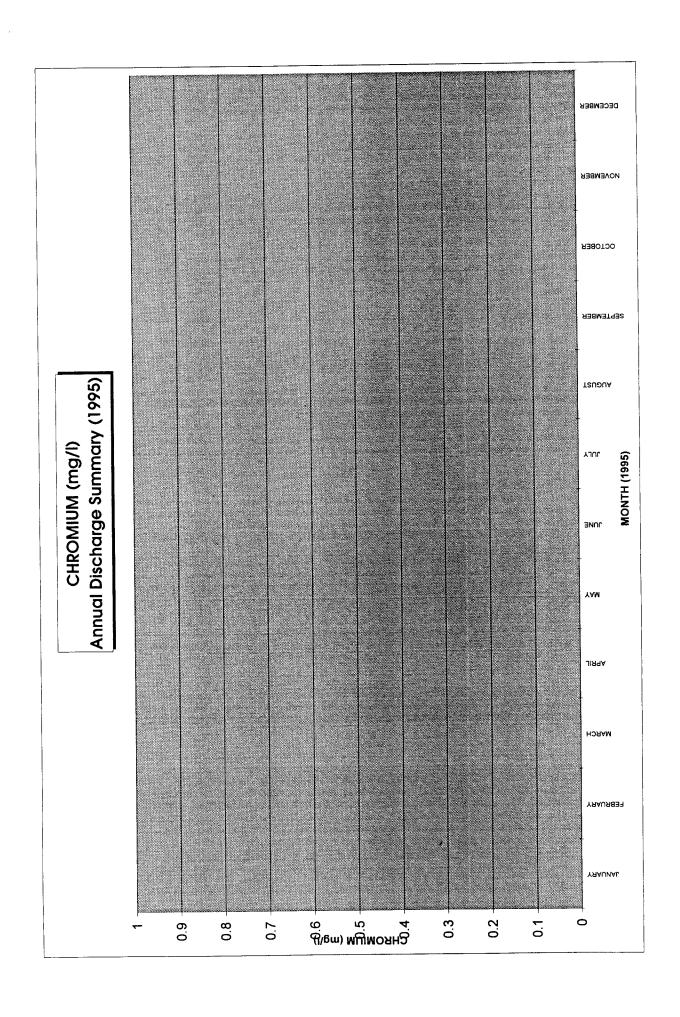
JANUARY FEBRUARY MARCH	56 63 64	6.97 7.5 7.4	4.4	QN	11	17	N D	
APRIL	99	7.38	3.2	Q	21	297	Q	
MAY JUNE	65 70	9.1						
JULY	7.0	7.4						
AUGUST 8	70	7.3						
EPTEMBER	74	9.7				<u> </u>		
AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER	69	6.5						
EMBEK DEC	19					-		
CEMBE	99	6.9						100

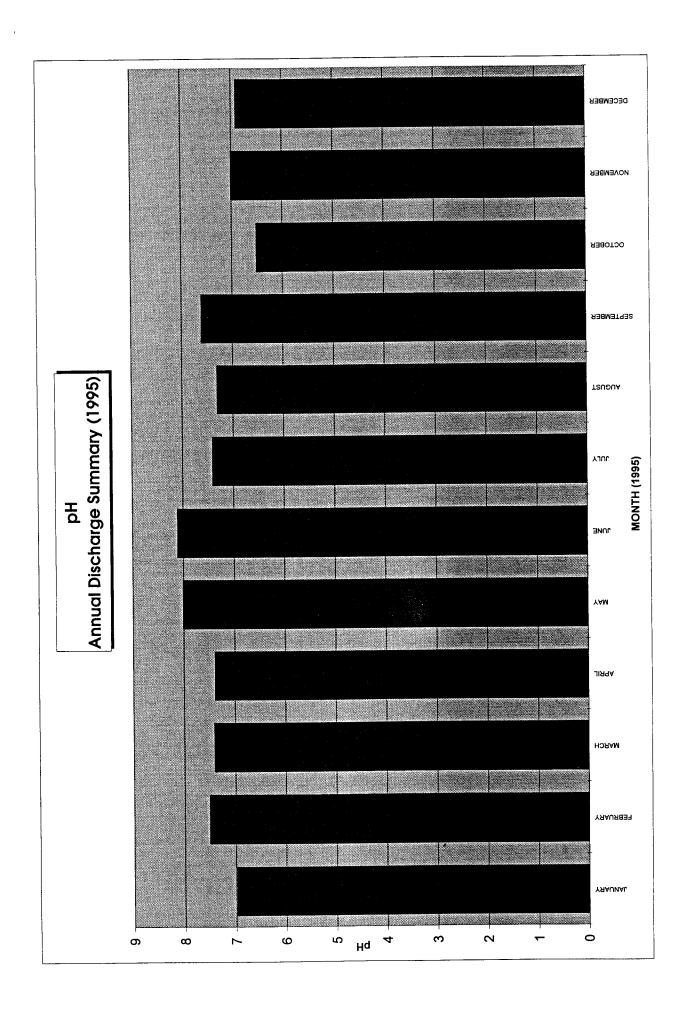
TABLE 1 - NPDES MONITORING LOCATION #001

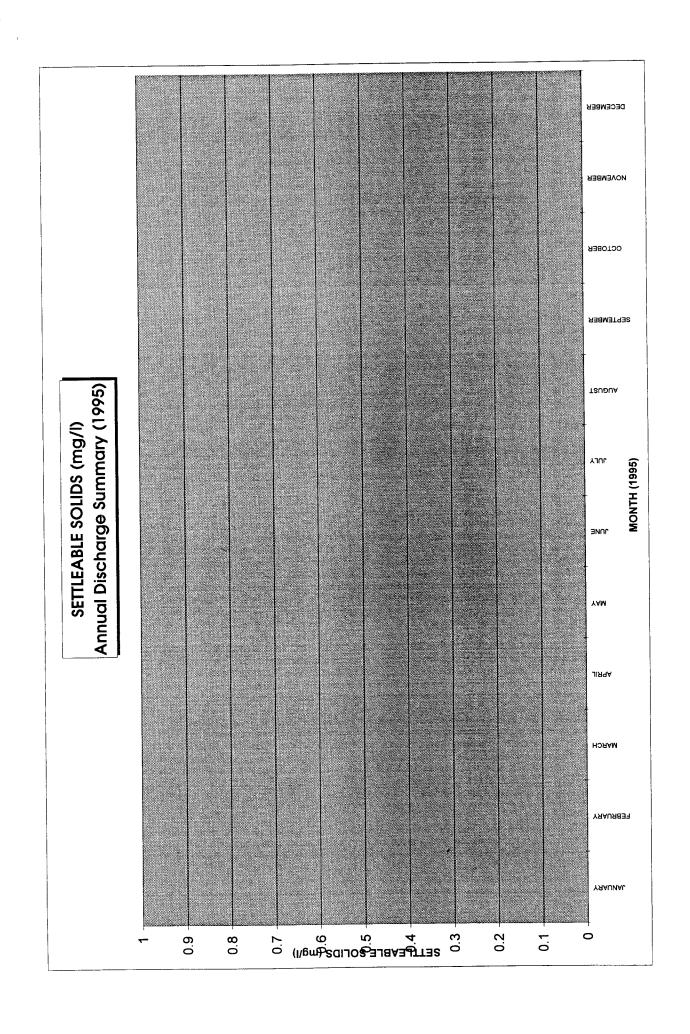


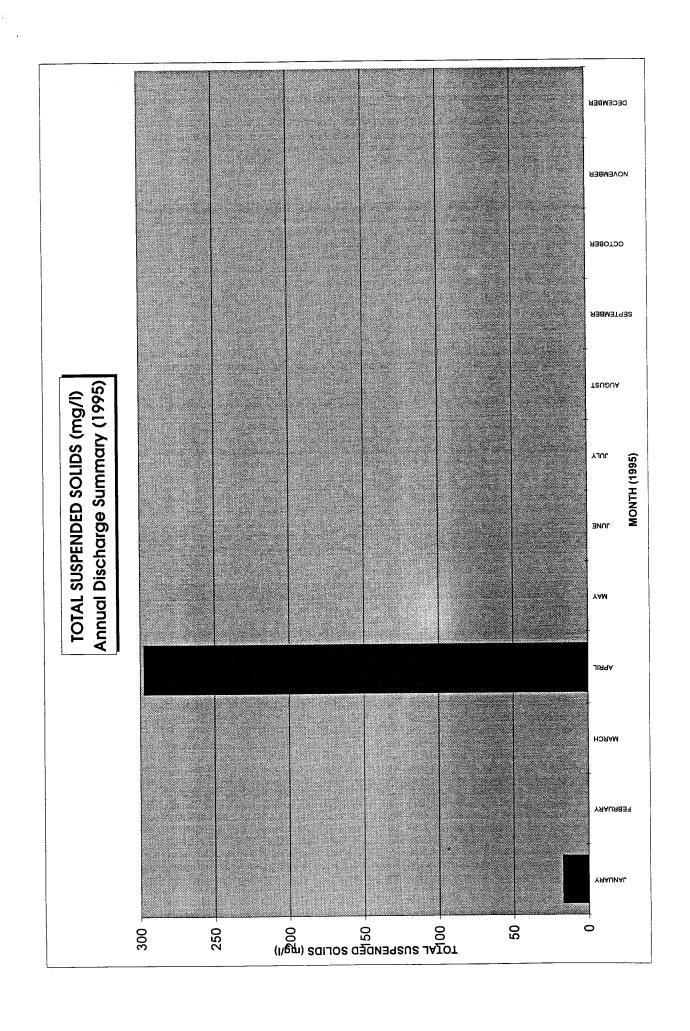
















McDONNELL DOUGLAS CORPORATION

Douglas Aircraft Company
Cooling Tower Product Usage
January 1, 1995 - December 31, 1995
Plant C-1, Long Beach

Product	Description	Pounds
2568	Cleaner Sulfamic Acid	700
2593	Microbiocide Isothiazolin	2176
2818	Microbiocide Stabilized Liquid Chlorine	28,591
2827	Scale/Corrosion Inhibitor Organophosphonate	14,194
2829	Scale/Corrosion Inhibitor Organophosphonate	10,568
7320	Microbiocide Dinitro-dibromo-proprianomide	275
	Plant C-6, Torranc	е
2827	Scale/Corrosion Inhibitor Organophosphonate	100
2818	Microbiocide Stabilized Liquid Chlorine	50
	Transport Aircrat C17, 50-side	ît
2593	Microbiocide Isothiazolin	1920
2827	Scale: Corrosion Inhibitor  Organophosphonate  TRATE OFF DESTONE NALLOG DESTORM TO LAMPER LUE	517 NOIS 50563-1198

### CHEMISTS - MICROBIOLOGISTS - ENGINEERS RESEARCH . DEVELOPMENT . TESTING ESTABLISHED 1931



REPORT DATE: Dec. 15, 1995

RECEIVED: Dec. 11, 1995

LABORATORY NUMBER: 86351

14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 FAX (714) 730-6462

CLIENT:

McDonnell Douglas Aircraft

3855 Lakewood Blvd

Long Beach, CA 90846

ATTN:

Scott Lattimore

SAMPLE DATE: 12/08/95 PERMIT NUMBER: NPDES #CA0001414

SAMPLE: Torrance Stormdrain, next to site #799

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

#### RESULTS

Flow

μΗ, Units (150.1)

Temperature, OF

No Flow

6.9

66

Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager
Water and Water Water and Waste Laboratory



### CHEMISTS - MICROBIOLOGISTS - ENGINEERS RESEARCH - DEVELOPMENT - TESTING ESTABLISHED 1931



REPORT DATE: Nov. 21, 1995

RECEIVED: Nov. 20, 1995

LABORATORY NUMBER: 86052

14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

3855 Lakewood Blvd

Long Beach, CA 90846

ATTN:

Scott Lattimore

SCOLL Hattimo

SAMPLE DATE: 11/17/95

PERMIT NUMBER: NPDES #CA0001414

SAMPLE: Torrance Stormdrain, next to site #799

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

#### RESULTS

Flow

ρH, Units (150.1)

Temperature, OF

No Flow

7.0

61

Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager Water and Waste Laboratory



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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 FAX (714) 730-6462

CLIENT:

Douglas Aircraft Company

3855 Lakewood Blvd.

Long Beach, CA 90846

ATTN:

Scott Lattimore

REPORT DATE: Oct. 16, 1995

RECEIVED: Oct. 5, 1995

LABORATORY NUMBER: 85377

PERMIT NUMBER: 799

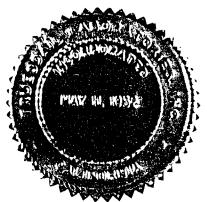
SITE: Torrance Stormdrain by site #799

**SAMPLE DATE : 10/05/95** 

Monthly/Quarterly Industrial Wastewater Analysis, as Requested

### RESULTS

		ER	
1rameter	Method	Detection Limit Concentratio	Date of n Analysis
Temperature, <sup>O</sup> F		69	10/05/95
pH, Units	150.1	6.5	10/06/95



Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager Water and Waste Laboratory

Leinina Brasewal

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

3855 Lakewood Blvd

Long Beach, CA 90846

ATTN:

Scott Lattimore

SAMPLE DATE: 09/07/95

SITE ID: NPDES # CA0001414 SITE: Torrance Stormdrain, next to site #799 REPORT DATE: Sept. 26, 1995

RECEIVED: Sept. 7, 1995

LABORATORY NUMBER: 85201

ANALYSIS AS REQUESTED

#### RESULTS

PARAMETER	METHOD	MILLIGRAMS PER LITER CONCENTRATION*
ρΗ, Units	150.1	7.6
Temperature <sup>O</sup> F		74

\*ND = Not Detected, below detection limit.

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Respectfully Submitted, Truesdail Laboratories, Inc.

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Julia Nayberg, Manager / Water and Waste Laboratory

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

190th St. & Normandie Ave.

Torrance, CA 90502

ATTN:

Scott Lattimore

GRAB SAMPLE: 08/01/95

SITE ID: Torrance stormdrain, next to

site #799

PERMIT NUMBER: NPDES #CA0001414

REPORT DATE: August 07, 1995

RECEIVED: August 02, 1995

LABORATORY NUMBER: 81485

ANALYSIS AS REQUESTED

### **RESULTS**

pH, Units (EPA 150.1)

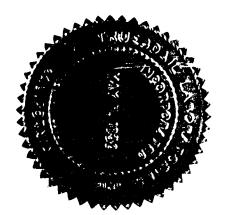
Temperature, OF

Total Flow, GPD

7.3

70

No Flow



Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager

Water and Waste Laboratory

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

190th St. & Normandie Ave.

Torrance, CA 90502

ATTN:

Scott Lattimore

REPORT DATE: July 28, 1995

RECEIVED: July 24, 1995

LABORATORY NUMBER: 81344

**SAMPLE DATE: 07/24/95** 

PERMIT NUMBER: NPDES #CA0001414

SAMPLE: Torrance Stormdrain, next to site #799

SAMPLE I.D.: #799

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

### RESULTS

Total Flow, GPD pH, Units (EPA 150.1) Temperature, OF

No Flow 7.4 70



Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager Water and Waste Laboratory

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

190th St. & Normandie Ave.

Torrance, CA 90502

ATTN:

Scott Lattimore

REPORT DATE: July 28, 1995

RECEIVED: July 24, 1995

LABORATORY NUMBER: 81344

**SAMPLE DATE: 07/24/95** 

PERMIT NUMBER: NPDES #CA0001414

SAMPLE: Torrance Stormdrain, next to site #799

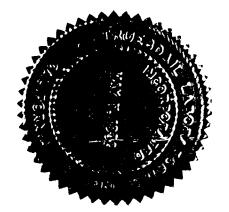
**SAMPLE I.D.: #799** 

QUARTERLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

### RESULTS

Total Flow, GPD Parameters

No Flow None



Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager Water and Waste Laboratory

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 FAX (714) 730-6462

CLIENT:

Douglas Aircraft Company

Internal Mail Code 9-20

3855 Lakewood Blvd.

Long Beach, CA 90846

ATTN:

Michael Binder

**SAMPLE DATE:** 06/09/95

PERMIT NUMBER: NPDES # CA0001414 SITE I.D. Torrance Stormdrain

next to site #799

REPORT DATE: June 20, 1995

RECEIVED: June 12, 1995

LABORATORY NUMBER: 80767

Monthly Analysis as Requested

#### RESULTS

Flow

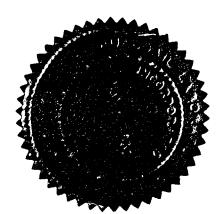
\_emperature, OF

pH, Units(150.1)

No Flow

70

8.1



Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager

Water and Waste Laboratory

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### TRUESDAIL LABORATORIES, INC.

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 • (213) 225-1564 FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

3855 Lakewood Blvd

Long Beach, CA 90846

ATTN:

Scott Lattimore

REPORT DATE: May 09, 1995

RECEIVED: May 08, 1995

LABORATORY NUMBER: 80316

SAMPLE DATE: 05/08/95

SITE I.D. Torrance Stormdrain,

Next to Site #799

PERMIT NUMBER: NPDES #CA0001414

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

### RESULTS

pH, Units (150.1)

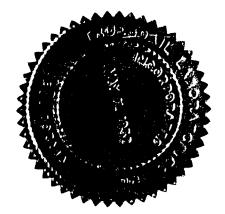
Flow

\_emperature, OF

8.0

No Flow

65



Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager

Water and Waste Laboratory

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 • (213) 225-1564 FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

3855 Lakewood Blvd

Long Beach, CA 90846

ATTN:

Scott Lattimore

REPORT DATE: April 17, 1995

RECEIVED: April 04, 1995

LABORATORY NUMBER: 78825

GRAB SAMPLE: 04/03/95

PERMIT NUMBER: NPDES #CA0001414

SITE: Torrance Stormdrain by Site #799

MONTHLY/QUARTERLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

### RESULTS

Flow pH, Units (150.1) Temperature, OF

No Flow 7.38 66

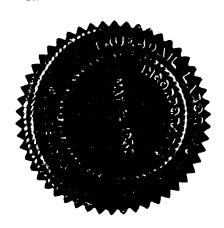
\RAMETER	METHOD	MILLIGRAMS DETECTION LIMIT	PER LITER CONCENTRATION*
Biochemical Oxygen Demand	405.1	2.0	3.2
Chromium, Total	200.7	0.044	ND
Oil & Grease	413.1	5.0	21.0
Settleable Solids	160.5	0.2 ml/L/hr	ND
Total Suspended Solids	160.2	4.0	297

\*ND = Not Detected, below detection limit.

Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager

Water and Waste Laboratory



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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 • (213) 225-1564 FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

3855 Lakewood Blvd

Long Beach, CA 90846

ATTN:

Scott Lattimore

REPORT DATE: March 30, 1995

RECEIVED: March 03, 1995

LABORATORY NUMBER: 78398

SAMPLE DATE: 03/03/95

PERMIT NUMBER: NPDES #CA0001414

SAMPLE: Torrance Stormdrain, next to site #799

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

### RESULTS

Flow

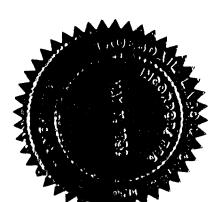
pH, Units (150.1)

Temperature, OF

No Flow

7.4

64



Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager

Water and Waste Laboratory

### CHEMISTS - MICROBIOLOGISTS - ENGINEERS

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 • (213) 225-1564 FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

3855 Lakewood Blvd

Long Beach, CA 90846

ATTN:

Scott Lattimore

REPORT DATE: Feb. 13, 1995

RECEIVED: Jan. 31, 1995

LABORATORY NUMBER: 77861

**SAMPLE DATE: 01/30/95** 

SITE I.D. Torrance Stormdrain,

Next to Site #799

PERMIT NUMBER: NPDES #CA0001414

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

#### RESULTS

Total Flow (GPD)

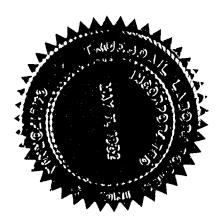
pH, Units (150.1)

memperature, oF

No Flow

7.5

63



Respectfully Submitted, Truesdail Laboratories, Inc.

Julia Nayberg, Manager Water and Waste Laboratory

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 • (213) 225-1564 FAX (714) 730-6462

CLIENT:

Douglas Aircraft

3855 Lakewood Blvd

Long Beach, CA 90846

ATTN:

Scott Lattimore

REPORT DATE: Jan. 19, 1995

RECEIVED: Jan. 04, 1995

LABORATORY NUMBER: 77424

SAMPLE DATE: 01/04/95

SITE I.D. Torrance Stormdrain PERMIT NUMBER: NPDES # CA0001414

QUARTERLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED FIRST QUARTER, 1995

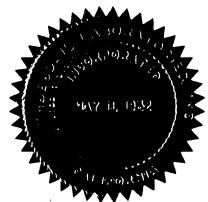
#### RESULTS

pH, Units (150.1) Temperature, or **Flows** 

6.97 56 No Flow

RAMETER	METHOD	MILLIGRAMS E DETECTION LIMIT	PER LITER CONCENTRATION
Biochemical Oxygen Demand	405.1	2.0	4.4
Chromium, Total	200.7	0.044	ND
Oil & Grease	413.1	5.0	11.0
Settleable Solids	160.5	0.1 ml/L hr	ND
Total Suspended Solids	160.2	4.0	17

\*ND = Not Detected, below detection limit



Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Managér

Environmental Field Services

### CHEMISTS - MICROBIOLOGISTS - ENGINEERS

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 • (213) 225-1564 FAX (714) 730-6462

CLIENT:

Douglas Aircraft Company

Internal Mail Code 9-20

3855 Lakewood Blvd.

Long Beach, CA 90846

ATTN:

Scott Lattimore

SAMPLE DATE: 01/04/95

PERMIT NUMBER: NPDES # CA0001414 SITE I.D. Torrance Stormdrain

By Site #799

REPORT DATE: Jan. 19, 1995

RECEIVED: Jan. 04, 1995

LABORATORY NUMBER: 77424

Monthly Analysis as Requested

### RESULTS

pH, Units (150.1)

mperature, OF

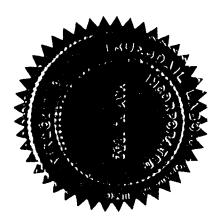
Flows

6.97

56

No Flow

\*ND = Not detected, below detection limit



Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

Environmental Field Services